



*Progress Report, in short will be released the full report*

## **FIRST REPORT OF RESEARCH ON ACTIVE CONSCIOUSNESS WITH THE INTERACTION OF BRAIN AND MENTAL PROCESS.**

DEPARTMENT OF RESEARCH FOUNDATION 'S MAS i MANJON

### **Introduction.**

This is the first report of the research department on an elaborate study of the thought process.

This study began in 1977 and the progress has been uneven and progressive in understanding the interactions of the brain with the thought process.

Electroencephalographic studies have been improving over the years, led by the most advanced technical means.

In this first sample showed the premises of the investigation.

There are six reports and here we show the first report.

### **Materials and Methods.**

The procedure used in method, have been with two groups of 10 people. A first test group and a second group of evaluation. The total time required was initiated research in 1977 to the present 2013.

The materials required electroencephalography systems and most advanced virtual models available.

### **Results.**

To date, testing of cognitive interaction with the mental processes and brain activity.

Locating regions of the cortex and specific recognition of the EEG in all interactions cognitive

#### **LEVEL I.**

This level does not match the optimum adaptation of the individual interacting with the objective environment insists on a state of alert (excessive waking perception), there is an active development of emotions.

The objective conscious state outside world is weakened with a decreased share of attention with a fixation on a low level.

#### **ELECTROENCEPHALOGRAMS.**

Graph-elements with a tracing of sync with an average amplitude low. Complex rapid frequency.

#### **BEHAVIORAL OBSERVATION**

Corresponds to an affective behavior (strong emotions)

The behavior is very effective and low emotional control.

#### **LEVEL II.**

State of alert waking consciousness (the common state of consciousness), containing an existence of selective attention, capable of flexibility in terms of

different adaptation needs, this forms the different concentration and interaction "waiting perceptual "

#### **ELECTROENCEPHALOGRAMS.**

A partially synchronized layout.

Predominance of fast waves and low amplitudes.

#### **BEHAVIORAL OBSERVATION**

In this level II, we can designate a warning perceptive consciousness.

An effective behavior.

Perceptual and behavioral reactions fast and optimal.

Active consciousness just as seen in the dream. Are observed outside world stimuli are perceived in a very attenuated.

The active consciousness affects so relevant to the development of ideas, usually expressed as visual images.

#### **ELECTROENCEPHALOGRAMS.**

It is this level III, we observed synchronized layout. An optimal alpha rhythm

#### **BEHAVIORAL OBSERVATION**

At this level III, we designate the active consciousness so relaxed, it optimal efficiency consistent with the behavior and the automatic activity and creative thought process.

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#### **LEVEL III.**